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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (currently amended) A back light unit comprising:
 - a light source generator positioned in a backside of a display panel for providing light beams to the display panel;
 - a diffuser positioned between the light source generator and the display panel for uniformly scattering light beams from the light source generator to the display panel; and
 - a housing enclosing the light source generator and connecting to the diffuser for reflecting the light beams to the diffuser, the housing further comprising a heat pipe for being a heat transfer interface between the back light unit and an external environment[[.]];
- wherein the heat pipe overlapping the diffuser in a direction as the light beams

 entering the display panel from the light source generator.
 - 2. (original) The back light unit of claim 1, wherein the heat pipe is composed of metal materials.
- 3. (original) The back light unit of claim 1, wherein the material of the heat pipe is selected from copper, alumna, tin, or an alloy of any of the above metal materials.
 - 4. (original) The back light unit of claim 1, wherein the heat pipe is a solid heat-conductive pipe.
 - 5. (original) The back light unit of claim 1, wherein the heat pipe is a hollow heat-conductive pipe, and an inner portion of the hollow heat-conductive pipe contains a cooling liquid.

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- 6. (original) The back light unit of claim 1, wherein the heat pipe is connected to the external environment through a radiator piece for transferring heat to the external environment effectively.
- 7. (previously presented) The back light unit of claim 1, wherein the heat pipe is positioned at a contact point of the diffuser and an upside of the housing.
- 8. (original) The back light unit of claim 1, wherein the light source generator comprises a fluorescent tube.
 - 9. (original) The back light unit of claim 8, wherein the heat pipe is positioned directly below the fluorescent tube, and a surface of the heat pipe contains a radiative reflective layer for reflecting light beams from the fluorescent tube.
 - 10. (original) The back light unit of claim 9, wherein the surface of the heat pipe is an arc surface for reducing a rate of light beams emitted from the fluorescent tube being reflected back to the fluorescent tube.
- 11. (original) The back light unit of claim 1, wherein a contact surface of the heat pipe and the external environment is a rough surface, the rough surface comprising a plurality of sharp teeth so that a radiating area is increased.
- 12. (previously presented) The back light unit of claim 1 further comprising a diffusion sheet or a prism positioned on the diffuser.
 - 13. (currently amended) A back light unit comprising:
 a light source generator positioned in a backside of a display panel;

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a diffuser positioned between the light source generator and the display panel; and a housing enclosing the light source generator and connecting to the diffuser, the housing further comprising a heat pipe having a substantially are surface[[.]];

wherein the heat pipe overlapping the diffuser in a direction as light beams generated from the light source generator entering the display panel.

- 14. (previously presented) The back light unit of claim 13, wherein the heat pipe is a solid heat-conductive pipe.
- 15. (previously presented) The back light unit of claim 13, wherein the heat pipe is a hollow heat-conductive pipe, and an inner portion of the hollow heat-conductive pipe contains a cooling liquid.
- 16. (previously presented) The back light unit of claim 13, wherein the heat pipe is connected to the external environment through a radiator piece for transferring heat to the external environment effectively.
 - 17. (previously presented) The back light unit of claim 13, wherein the heat pipe is positioned at a contact point of the diffuser and an upside of the housing.
 - 18. (previously presented) The back light unit of claim 13, wherein the heat pipe is positioned directly below the light source generator, and a surface of the heat pipe contains a radiative reflective layer for reflecting light beams from the light source generator.
- 19. (currently amended) A back light unit comprising:
 - a light source generator positioned in a backside of a display panel; a diffuser positioned between the light source generator and the display panel; and

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a housing enclosing the light source generator and connecting to the diffuser, the housing further comprising a heat pipe having a rough surface[[.]];

wherein the heat pipe overlapping the diffuser in a direction as light beams generated from the light source generator entering the display panel.

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- 20. (previously presented) The back light unit of claim 19, wherein the rough surface comprising a plurality of sharp teeth.
- 21. (new) A back light unit comprising:
- a light source generator positioned in a backside of a display panel for providing light beams to the display panel;
 - a diffuser positioned between the light source generator and the display panel for uniformly scattering light beams from the light source generator to the display panel; and
 - a housing enclosing the light source generator and connecting to the diffuser for reflecting the light beams to the diffuser, the housing further comprising a heat pipe not directly contacting the light source generator for being a heat transfer interface between the back light unit and an external environment.